



**Genus Paper and Boards Ltd., Unit- 2
Jansath Road, Muzaffarnagar-251001**

Quality Assurance and R&D

Standard Product Specification

S.No.	Properties	UOM	Product Quality : Genus Maplitho- NSS				
1	Substance	g/m ²	53/54 ± 2.5%	56/58 ± 2.5 %	60/62 ± 2.5%	64 ± 2.5%	
2	*Bulk	cc/gm	1.35 ± 0.03	1.35 ± 0.03	1.30 ± 0.03	1.28 ± 0.03	
3	*Breaking Length	meter	MD	4000 ± 400	4000 ± 400	4000 ± 400	4000 ± 400
			CD	2400 ± 400	2400 ± 400	2400 ± 400	2400 ± 400
4	*Tear Factor	-	MD	42 ± 5	42 ± 5	42 ± 5	42 ± 5
			CD	48 ± 5	48 ± 5	48 ± 5	48 ± 5
5	Cobb ₆₀	g/m ²	26 ± 2	26 ± 2	26 ± 2	26 ± 2	
6	Smoothness (Bendtsen)	ml/min	I side	175 ± 25	175 ± 25	175 ± 25	175 ± 25
			II side	225 ± 25	225 ± 25	225 ± 25	225 ± 25
7	*ISO Brightness	%	91 ± 1	91 ± 1	91 ± 1	91 ± 1	
8	*Print Opacity	%	87 ± 1	88 ± 1	89 ± 1	89 ± 1	
9	*Wax Pick	No.	12 A Clear	12 A Clear	12 A Clear	12 A Clear	
10	Moisture	%	4.5 ± 0.5	4.5 ± 0.5	4.5 ± 0.5	4.5 ± 0.5	

*Note : If goes beyond higher side tolerance, Quality is OK.

Test Conditions : Temperature 23 ± 1°C & Relative Humidity 50± 2 % (Tappi 402)

All properties are as per Genus Paper and Boards Muzaffarnagar measurements

Tolerance are based upon 95 % confidence limits of single mill measurement on conditioned Random samples.

Approved by

GM - QA and R&D	GM - PM-3	Marketing Head	COO	Issue Date 01.09.2023



Genus Paper and Boards Ltd., Unit- 2
Jansath Road, Muzaffarnagar-251001

Quality Assurance and R&D

Standard Product Specification

S.No.	Properties	UOM	Product Quality : Genus Maplitho- SS								
1	Substance	g/m ²	65 /66 ± 2.5 %	68/70 ± 2.5 %	75 ± 2.5 %	78/80 ± 2.5 %	90 ± 2.5 %	100 ± 2.5 %	110 ± 2.5 %	120 ± 2.5 %	
2	*Bulk	cc/gm	1.25 ± 0.03	1.25 ± 0.03	1.25 ± 0.03	1.24 ± 0.03	1.24 ± 0.03	1.22 ± 0.03	1.22 ± 0.03	1.22 ± 0.03	
3	*Breaking Length	meter	MD	4000 ± 400	4000 ± 400	4000 ± 400	4000 ± 400	4000 ± 400	4000 ± 400	4000 ± 400	4000 ± 400
			CD	2200 ± 400	2200 ± 400	2200 ± 400	2200 ± 400	2200 ± 400	2200±400	2200±400	2200±400
4	*Tear Factor	-	MD	45 ± 5	45 ± 5	45 ± 5	40±3	40±3	40±3	40±3	40±3
			CD	50 ± 5	50 ± 5	50 ± 5	48±3	48±3	48±3	48±3	48±3
5	Cobb ₆₀	g/m ²	26 ± 2	26 ± 2	26 ± 2	26 ± 2	26 ± 2	26 ± 2	26 ± 2	26 ± 2	
6	Smoothness (Bendtsen)	ml/min	I side	150 ± 25	150 ± 25	150 ± 25	150 ± 25	175 ± 25	185 ± 25	185 ± 25	185 ± 25
			II side	200 ± 25	200 ± 25	200 ± 25	200 ± 25	200 ± 25	225 ± 25	225 ± 25	225 ± 25
7	*ISO Brightness	%	91 ± 1	91 ± 1	91 ± 1	91 ± 1	91 ± 1	91 ± 1	91 ± 1	91 ± 1	
8	*Print Opacity	%	88 ± 1	90 ± 1	91 ± 1	91 ± 1	92 ± 1	92 ± 1	92 ± 1	92 ± 1	
9	*Wax Pick	no.	14 A Clear	14 A Clear	14 A Clear	14 A Clear	14 A Clear	14 A Clear	14 A Clear	14 A Clear	
10	Moisture	%	5.0 ± 0.5	5.0 ± 0.5	5.0 ± 0.5	5.0 ± 0.5	5.0 ± 0.5	5.0 ± 0.5	5.0 ± 0.5	5.0 ± 0.5	

*Note : If goes beyond higher side tolerance, Quality is OK.

Test Conditions : Temperature 23 ± 1°C & Relative Humidity 50± 2 % (Tappi 402)

All properties are as per Genus Paper and Boards, Muzaffarnagar measurements

Tolerance are based upon 95 % confidence limits of single mill measurement on conditioned Random samples.

Approved by

GM - QA and R&D	GM - PM-3	Marketing Head	COO	Issue Date 01.09.2023